

Claims

1. A battery separator for a storage battery, said separator comprising a porous sheet having a center area and side areas and being provided with a plurality of studs on at least one side of the sheet, characterized in that the separator additionally comprises at least one elongated vertical rib in the center area of at least one side of the sheet provided with a plurality of studs.
2. The separator as defined in claim 1 wherein the elongated rib is a continuous rib.
3. The separator as defined in claim 1 comprising 2 to 4 elongated vertical ribs in the center area of the separator sheet.
4. The separator as defined in claim 1 wherein the studs have the form of truncated cones, truncated pyramids and/or spherical caps.
5. The separator as defined in claim 1 wherein the continuous ribs have the same or a lower height than the studs.
6. The separator as defined in claim 1 comprising 0.2 to 2 studs per cm² of the separator sheet.
7. The separator as defined in claim 1 wherein the studs and the ribs are solid bodies integrally formed of the same material as the separator sheet.
8. The separator as defined in claim 1 wherein the studs and/or the ribs are formed of a different material than the separator sheet.

9. The separator as defined in claim 1 comprising a porous sheet being provided with a plurality of studs on at least one side of the sheet and at least one separate rib applied to the electrode plate.

10. The separator as defined in claim 1 having the form of a pocket with an open top, a closed bottom and closed sides.

11. The separator of claim 10 in which the studs and vertical ribs are provided on the inner surfaces of the pocket.

12. The separator as defined in claim 10 wherein the at least one elongated rib is arranged in the bottom edge area of the separator pocket.

13. The separator of claim 1 provided in form of a roll.

14. A lead acid storage battery comprising at least one separator according to claim 1.